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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/614,526 07		07/07/2003	Arun M. Hamasagar	02-599	6107
719	7590	03/21/2006		EXAMINER	
CATERPII			AURORA, REENA		
100 N.E. ADAMS STREET PATENT DEPT.				ART UNIT	PAPER NUMBER
PEORIA, IL 616296490				2862	
				DATE MAIL ED: 03/21/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.



	<del></del>							
•	Application No.	Applicant(s)						
Office Action Occurred	10/614,526	HAMASAGAR ET AL.						
Office Action Summary	Examiner	Art Unit						
	Reena Aurora	2862						
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION  16(a). In no event, however, may a reply be tim  rill apply and will expire SIX (6) MONTHS from  cause the application to become ABANDONEL	N. sely filed the mailing date of this communication. D (35 U.S.C. § 133).						
Status								
1) Responsive to communication(s) filed on 27 De	ecember 2005.							
	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.							
·— ·	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is							
closed in accordance with the practice under E								
Disposition of Claims								
4)⊠ Claim(s) <u>1 - 17 and 24</u> is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.								
7) Claim(s) is/are objected to.								
8) Claim(s) are subject to restriction and/or	· _ · · · · · · · · · · · · · · · · · ·							
Application Papers								
9) The specification is objected to by the Examiner.								
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority under 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)	)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:								
1. Certified copies of the priority documents	s have been received.							
2. Certified copies of the priority documents	s have been received in Applicati	on No						
3. Copies of the certified copies of the prior								
application from the International Bureau								
* See the attached detailed Office action for a list of the certified copies not received.								
Attachment(s)	n □	(DTO 442)						
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s)/Mail Date								
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) 🔲 Notice of Informal P	Patent Application (PTO-152)						
Paper No(s)/Mail Date	6)							

## **DETAILED ACTION**

This communication is in response to amendment received on 12/27/05.

The applicant has canceled claims 18 – 23.

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1 – 17 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blubaugh et al. (6,509,733) in view of Munch et al. (5,210,490).

As to claims 1, 10 and 24, Blubaugh et al. (hereinafter Blubaugh)
discloses a fluid cylinder including a first sensor housing member (32, fig. 2)
having a first sensor conduit (34, fig. 1 and 2) therein; a second sensor housing
member (40, fig. 1 and 2) slidably received within the first sensor housing
member (32) and having a second sensor conduit therein; a first sensor portion
(38) connected with the first sensor housing member; and a second sensor
portion (44) connected with the second sensor housing member (40); wherein:
the first sensor housing member (32) is configured and arranged to at partially
enclose the first sensor portion (38) and the second sensor portion (44); and the
position sensor assembly is operable to register a position of the first sensor

portion (38) relative to the second sensor portion (44) as a result of cooperation between the first and second sensor portions (col. 3, lines 40 - 64). Blubaugh fails to show the sensor housing adapted for external connection to the linkage system. Munch et al. (hereinafter Munch) discloses a linear position sensor wherein the sensor housing (10, 20) is externally connected to the linkage system (13, fig. 1). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the device of Blubaugh with the teachings of Munch such that externally connecting the sensor housing to the linkage system, resulting in enhancing the durability of the assembly along with the superior temperature stability of the sensing circuit (col. 27, line 5 - 20).

As to claims 2 and 11, Blubaugh discloses the second sensor housing member (40) is telescopically received within the first sensor housing member (col. 3, lines 45 - 48).

As to claims 3 and 12, Blubaugh discloses the first and second sensor housing members comprise first and second tubes, respectively, the second tube (40, fig. 1 and 2) being telescopically received within the first tube (32).

As to claims 4 and 13, Blubaugh discloses that the first and second tubes (32, 30) have generally circular cross sectional shapes (Note fig. 1).

As to claims 5, 14 and 15, Blubaugh discloses the first sensor portion (40) is disposed generally parallel to or coaxially with the sensor conduit and is configured and arranged to be movable within the second sensor conduit (32) during operation of the position sensor assembly.

As to claims 6 - 9 and 16, 17, Blubaugh discloses that the first sensor portion is arranged in a telescopically movable configuration relative to the second sensor portion (col. 3, lines 46 - 48).

## Response to Arguments

Applicant's arguments with respect to claims 1 - 17 and 24 have been considered but are most in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Reena Aurora whose telephone number is 571-272-2263. The examiner can normally be reached on Monday - Friday, 7:00 - 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, E. Lefkowitz can be reached on 571-272-2180. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Reena Aurora